

# Comparing and Ordering 3-Digit Numbers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 24

## Q Quick Review

To **compare** two numbers, look at the digits from **left to right**. Start with the hundreds place. The first place where the digits are different tells you which number is bigger. We use  $>$  for *greater than*,  $<$  for *less than*, and  $=$  for *equal to*. A helpful trick: the open side of the symbol always faces the bigger number. To **order** numbers from least to greatest, compare them two at a time and line them up.

◇ **Example:** Compare 463 and 458 using  $>$ ,  $<$ , or  $=$ .

⇒ Let's check the digits from left to right. The hundreds digits are both 4, so that is a tie. Next, the tens digits: 463 has a 6 and 458 has a 5. Since 6 is greater than 5, the first number is bigger. So  $463 > 458$ .

**Answer:**  $463 > 458$

## PRACTICE

Compare using  $<$ ,  $>$ , or  $=$ , or order the numbers as asked.

- |                       |       |   |       |
|-----------------------|-------|---|-------|
| 1. 246 $\square$ 264  | _____ | 11. 299 $\square$ 300                           | _____ |
| 2. 539 $\square$ 531  | _____ | 12. 817 $\square$ 817                           | _____ |
| 3. 708 $\square$ 708  | _____ | 13. 763 $\square$ 736                           | _____ |
| 4. 185 $\square$ 215  | _____ | 14. 148 $\square$ 184                           | _____ |
| 5. 640 $\square$ 604  | _____ | 15. Order from least to greatest: 312, 321, 213 | _____ |
| 6. 372 $\square$ 372  | _____ | 16. Order from least to greatest: 470, 407, 740 | _____ |
| 7. 926 $\square$ 962  | _____ | 17. Order from greatest to least: 256, 265, 562 | _____ |
| 8. 410 $\square$ 409  | _____ | 18. Order from greatest to least: 901, 910, 109 | _____ |
| 9. 127 $\square$ 172  | _____ | 19. Order from least to greatest: 638, 683, 386 | _____ |
| 10. 550 $\square$ 505 | _____ | 20. Order from greatest to least: 175, 715, 571 | _____ |

## ◆ Word Problems

21. In a game, Maya scored 284 points and Jack scored 248 points. Who scored more, and which symbol shows it? \_\_\_\_\_
22. Three classrooms have 315, 351, and 135 books. List the numbers of books from least to greatest. \_\_\_\_\_
23. A red box has 409 beads and a blue box has 490 beads. Which box has more beads? \_\_\_\_\_
24. Four friends saved coins: 620, 602, 260, and 206. Order the amounts from greatest to least. \_\_\_\_\_



## Answer Keys

- |                             |  |
|-----------------------------|--|
| 1. <input type="radio"/> <  | 13. <input type="radio"/> >                  |
| 2. <input type="radio"/> >  | 14. <input type="radio"/> <                  |
| 3. <input type="radio"/> =  | 15. <input type="radio"/> 213, 312, 321      |
| 4. <input type="radio"/> <  | 16. <input type="radio"/> 407, 470, 740      |
| 5. <input type="radio"/> >  | 17. <input type="radio"/> 562, 265, 256      |
| 6. <input type="radio"/> =  | 18. <input type="radio"/> 910, 901, 109      |
| 7. <input type="radio"/> <  | 19. <input type="radio"/> 386, 638, 683      |
| 8. <input type="radio"/> >  | 20. <input type="radio"/> 715, 571, 175      |
| 9. <input type="radio"/> <  | 21. <input type="radio"/> Maya; 284 > 248    |
| 10. <input type="radio"/> > | 22. <input type="radio"/> 135, 315, 351      |
| 11. <input type="radio"/> < | 23. <input type="radio"/> The blue box       |
| 12. <input type="radio"/> = | 24. <input type="radio"/> 620, 602, 260, 206 |

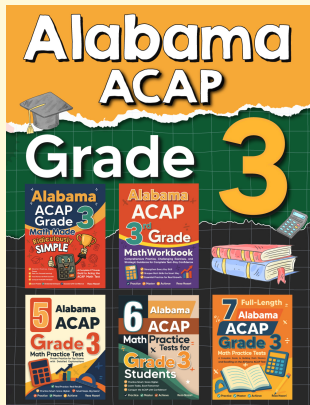
### Step-by-Step Explanations

- |   |  |
|---|--|
| <p>1. The hundreds digits match; in the tens place <math>4 &lt; 6</math>, so <math>246 &lt; 264</math>.</p> <p>2. The hundreds and tens match; in the ones place <math>9 &gt; 1</math>, so <math>539 &gt; 531</math>.</p> <p>3. Every digit matches, so the numbers are equal.</p> <p>4. In the hundreds place <math>1 &lt; 2</math>, so <math>185 &lt; 215</math>.</p> <p>5. The hundreds digits match; in the tens place <math>4 &gt; 0</math>, so <math>640 &gt; 604</math>.</p> <p>6. All digits are the same, so the numbers are equal.</p> <p>7. The hundreds digits match; in the tens place <math>2 &lt; 6</math>, so <math>926 &lt; 962</math>.</p> <p>8. The hundreds digits tie; in the tens place <math>1 &gt; 0</math>, so <math>410 &gt; 409</math>.</p> <p>9. The hundreds digits match; in the tens place <math>2 &lt; 7</math>, so <math>127 &lt; 172</math>.</p> <p>10. The hundreds digits match; in the tens place <math>5 &gt; 0</math>, so <math>550 &gt; 505</math>.</p> <p>11. In the hundreds place <math>2 &lt; 3</math>, so <math>299 &lt; 300</math>.</p> <p>12. Every digit matches, so the numbers are equal.</p> <p>13. The hundreds digits match; in the tens place <math>6 &gt; 3</math>, so <math>763 &gt; 736</math>.</p> <p>14. The hundreds digits match; in the tens place <math>4 &lt; 8</math>, so <math>148 &lt; 184</math>.</p> | <p>15. Compare the hundreds digit: <math>2 &lt; 3</math>, then tens: <math>312 &lt; 321</math>.</p> <p>16. <math>407 &lt; 470</math> since <math>0 &lt; 7</math> in the tens, and 740 is biggest.</p> <p>17. 562 has the biggest hundreds; then <math>265 &gt; 256</math> in the ones.</p> <p>18. <math>910 &gt; 901</math> in the tens, and 109 is smallest.</p> <p>19. 386 has the smallest hundreds; then <math>638 &lt; 683</math> in the tens.</p> <p>20. Compare the hundreds digit: <math>7 &gt; 5 &gt; 1</math>, so <math>715 &gt; 571 &gt; 175</math>.</p> <p>21. The hundreds digits match. In the tens place, <math>8 &gt; 4</math>, so <math>284 &gt; 248</math>. Maya scored more.</p> <p>22. Compare the hundreds digit first: 135 starts with 1, so it is smallest. Then <math>315 &lt; 351</math>, giving 135, 315, 351.</p> <p>23. Both start with 4. In the tens place, <math>0 &lt; 9</math>, so <math>409 &lt; 490</math>. The blue box has more beads.</p> <p>24. Compare the hundreds digit: <math>6 &gt; 6 &gt; 2 &gt; 2</math>. For the two 6s, <math>620 &gt; 602</math>; for the two 2s, <math>260 &gt; 206</math>. So 620, 602, 260, 206.</p> |
|---|--|



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